

Title (en)

TRANSMISSION METHOD FOR PHYSICAL DOWNLINK CONTROL CHANNEL, BASE STATION, AND USER EQUIPMENT

Title (de)

ÜBERTRAGUNGSVERFAHREN FÜR PDCCH, BASISSTATION UND BENUTZERENDGERÄT

Title (fr)

PROCÉDÉ DE TRANSMISSION DESTINÉ À UN CANAL DE COMMANDE DE LIAISON DESCENDANTE PHYSIQUE, STATION DE BASE ET ÉQUIPEMENT UTILISATEUR

Publication

EP 3282614 B1 20201209 (EN)

Application

EP 16776133 A 20160408

Priority

- CN 201510169442 A 20150410
- CN 2016078781 W 20160408

Abstract (en)

[origin: EP3282614A1] The embodiments of the present invention provide a transmission and reception mechanism for a downlink control channel applicable to a narrowband MTC UE, and a base station and a user equipment for executing the mechanism. The method according to the embodiment of the present invention includes: determining an MPDCCH-PRB-set and determining a set of MPDCCH candidates in the determined MPDCCH-PRB-set according to an aggregation level, wherein a number of PRB-pairs in the MPDCCH-PRB-set is 2, 4 or 6; and monitoring the MPDCCH in the determined set of MPDCCH candidates to obtain downlink control information for an MTC UE.

IPC 8 full level

H04L 1/00 (2006.01); **H04L 1/08** (2006.01)

CPC (source: CN EP US)

H04L 1/00 (2013.01 - EP US); **H04L 1/08** (2013.01 - EP US); **H04L 5/0014** (2013.01 - CN); **H04L 5/003** (2013.01 - CN); **H04L 5/0091** (2013.01 - CN); **H04W 4/70** (2018.01 - US); **H04W 24/04** (2013.01 - US); **H04W 24/08** (2013.01 - US); **H04W 72/23** (2023.01 - US); **H04W 72/542** (2023.01 - US); **H04W 88/08** (2013.01 - US)

Cited by

US11044614B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3282614 A1 20180214; **EP 3282614 A4 20181114**; **EP 3282614 B1 20201209**; CN 106160979 A 20161123; CN 106160979 B 20201110; US 10383131 B2 20190813; US 2018084561 A1 20180322; WO 2016161958 A1 20161013

DOCDB simple family (application)

EP 16776133 A 20160408; CN 201510169442 A 20150410; CN 2016078781 W 20160408; US 201615565240 A 20160408